

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5

FROLOVA, S. L.

"Structure of Nuclei in the Salivary Glands of Certain Types of Drosophila." (p. 271)
by Frolova, S. L.

SO: Biological Journal (Biologicheskii Zhurnal) Vol. V, 1936, No. 2

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CIA-RDP86-00513R000513810017-5"

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CIA-RDP86-00513R000513810017-5

FROLOVA, S. L.

"The aceto-Carmine method and its application in the cytogenetic study of drosophila."
(p. 472) by Frolova, S. L.

SO: Advances in Contemporary Biology (USPEKHI SOVREMENNOI BIOLOGII) Vol. V, No. 3 1936

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

FROLOVA, S. L.

"Structure and form of the salivary gland chromosomes in drosophila." (p. 645)
Cytology Department, Institute of Experimental Biology (Director: academician N. K.
Koltsov). Moscow. by Frolova, S. L.

SO: Biological Journal (Biologicheskii Zhurnal) Vol. VI, 1937, No. 3

FROLOVA, S. L.

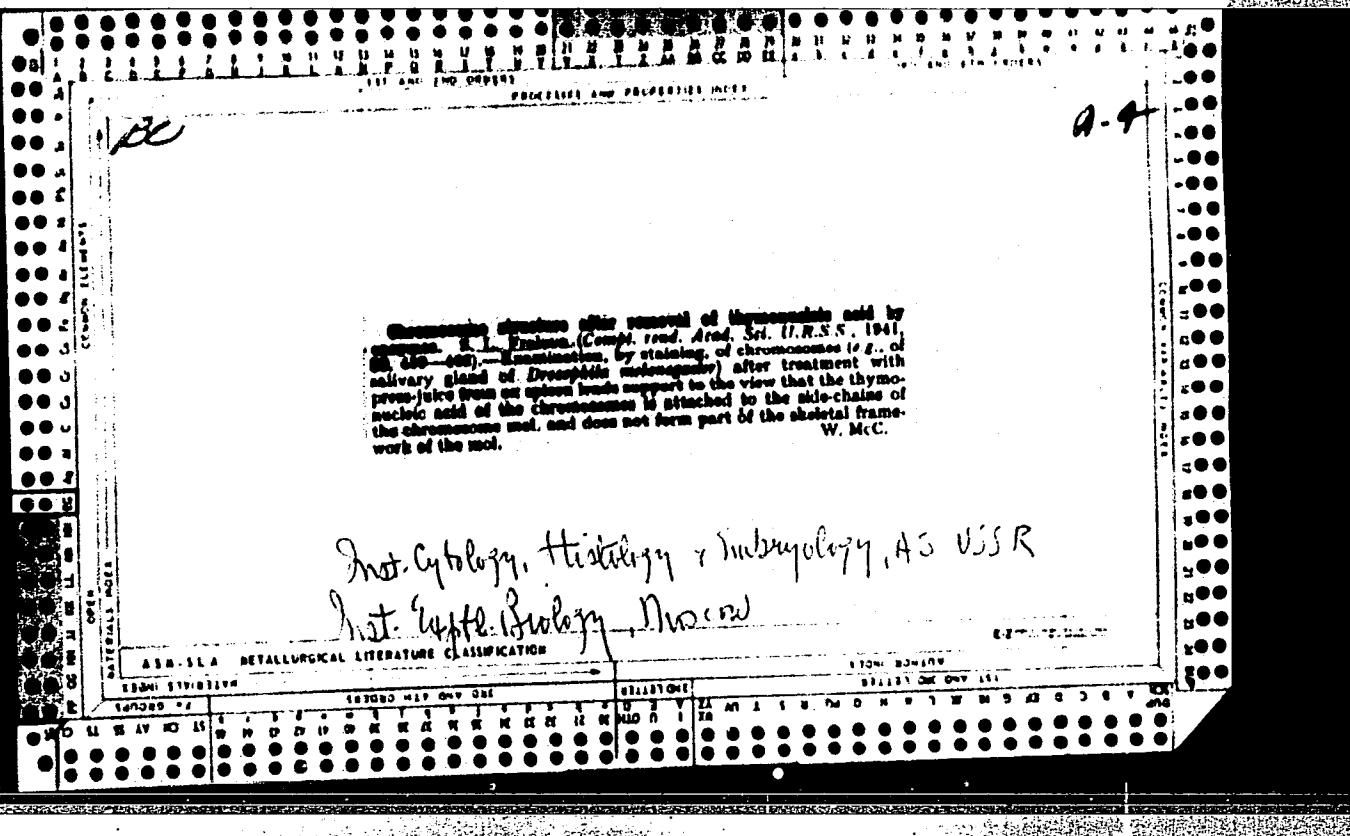
"The Structure Of The Mitotic Figure In The Spermatozoa Of Potamobius Astacus. New Method Of Study of Achromatic Filaments. Arrangements for Printing The Posthumous Work at P. I. Zhivii and S. L. Frolova, Institute Of Experimental Biology (Director: N. K. Koltsov), Moscow." (p. 267) by Shaposhnikov, B. N. (Deceased)

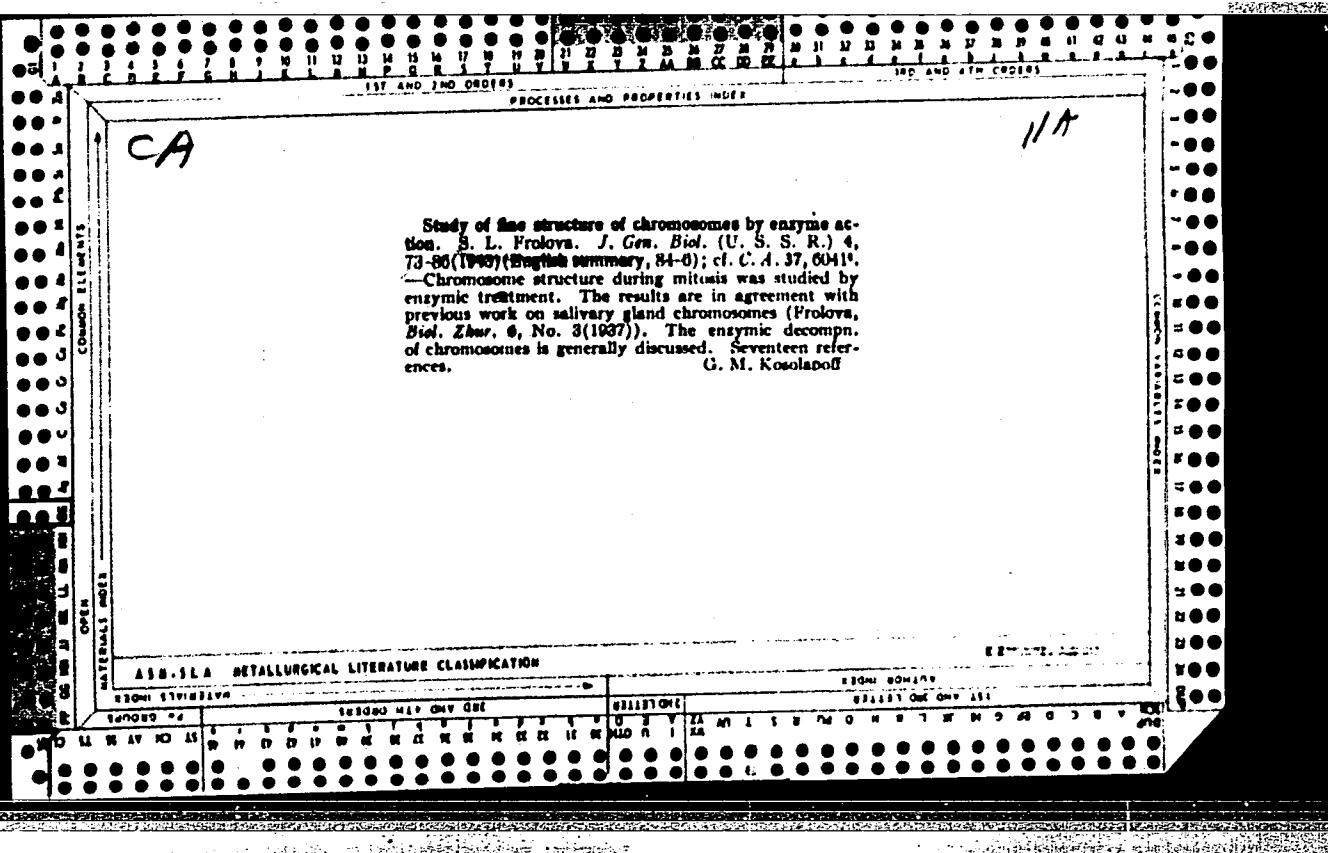
SO: PREDECESSOR OF JOURNAL OF GENERAL BIOLOGY. (Biologicheskii Zhurnal) Vol. VII, 1938 No. 2

FROLIOVA, S. L.

"Development Of Giant Nuclei Of The Salivary Gland Type In Different Organs Of Drosophila And Their Comparison With "Metabolic" Nuclei Of Larvae And Imago. Cytology Department, Institute Of Experimental Biology (Director: Academician N. K. Koltsov) Moscow." (p. 703)
by Frolova, S. L.

SC: PREDECESSOR OF JOURNAL OF GENERAL BIOLOGY (Biologicheskiy Zhurnal) Vol. VII, 1938 No. 4





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CIA-RDP86-00513R000513810017-5

FROLOVA, S. L.

"Autotetraploidy in Different Varieties of Buckwheat (Fagopyrum Esculentum)," Dok. AN,
46, No. 2, -1944-. Inst. Cytology, Histology and Embryology; Acad. Sci., -1944-.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

FROLOVA, S. L.

PA 77T68

USSR/Medicine - Wheat
Medicine - Pollen

Apr 1948

"The Results of Overpollination Between Tetraploid
and Diploid Buckwheat," S. L. Frolova, and V. V.
Mansurova, Inst Cytology, Histology and Embryol, Acad
Sci USSR, 4 pp

"Dok Ak Nauk SSSR" Vol LX, No 3

Results of experiments conducted for 6 years on sub-
ject phenomenon. Submitted by Acad V. N. Sukachayev
31 Jan 1948.

77T68

FROLOVA, S.L.

USSR/Biology - Hybridization
Agriculture - Wheat

1 Nov 49

"Influence of External Conditions Upon the Development of a Hybrid Seed of Buckwheat," S. I. Frolova, V. V. Mansurova, Inst of Animal Morph imeni Severtsov, 32 pp

"Dok Ak Nauk SSSR" Vol LXIX, No 1

According to M. Solov'yev's data, blossoms which open first in the racemes yield 75-80% of the fully developed seed. Under similar, artificial conditions of fertilization, results agreed with Solov'yev's data. If the reason for appearance of triploid seed given

156T14

USSR/Biology - Hybridization (Contd) 1 Nov 49

by the authors is correct, it has practical value. Possibility of triploid seeds in hybrid sowings of buckwheat diploids and tetraploids can be excluded. Submitted by Acad N. A. Mak-

simov 27 Aug 49.

156T14

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5

CTRSP^L Vol. 5-No. 1 Jan. 1952

FROLOVA, S. L.

A. N. Severtsov Institute of Animal Morphology, U.S.S.R. Academy of Sci.
On the nuclear structure in the determination of the heads of animal sperm,

Akademiya Nauk, S.S.S.R., Doklady Vol. 78, No. 6, 1951

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

FROLOVA, S.P., Cand Med Sci -- (diss) "Treatment
of patients with infarct of the miocardium and
chronic coronary insufficiency with dicumarin."

Khar'kov, 1958, 14 pp (Khar'kov Med Inst) 20k copies
(KL, 23-58, 113)

- 156 -

FROLLOVA, S. V.

Dissertation defended for the degree of Doctor of Philological Sciences
at the Institute of the Russian Language

'History of the Formation of the Possessive and Possessive-Relative Adjectives
from the Suffixes -j/jb and oB-OB in the Russian language."

Vestnik Akad. Nauk, No. 4, 1963, pp 1 9-145

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5

FROLOVA, T. A.

"Investigation of the Influence of the Scutching Members of Scutchers
on the Incoming Layer of Cotton." Sub 5 May 47, Moscow Textile Inst

Dissertations presented for degrees in science and engineering in Moscow
in 1947

SO: Sum No. 457, 18 Apr 55

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

1. FROLOVA, T. A.
2. USSR (600)
4. Cotton Machinery
7. Advantages of needle- over bar-breaking.
Tekst. prom. 12 no. 10, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5

FPOLOVA, T. A.

GORBACHEV, M.P.; KUDRIAVTSEVA, V.S.; PROLOVA, T.A.

Remarks on N.I.Truevtsev's book "Mechanical technology of fiber materials". M.P.Gorbachev, V.S.Kudriavtseva, T.A.Frolova. Tekst. prom. 14 no.5:52-54 My '54. (MIRA 7:6)
(Truevtsev, N.I.) (Textile industry)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

FROLOVA, T.A.

Structural unevenness of cotton yarn and roving. Izv. vys. ucheb.
zav.; tekhn. tekst. prom. no.5:59-70 '59 (MIREA 13:3)

1. Moskovskiy tekstil'nyy institut.
(Spinning)

ZOTIKOV, V.Ye., prof.; FROLOVA, T.A., dotsent

Selecting the length of viscose staple fibers for their
processing in a blend with cotton. Tekst. prom. 23 no.12:
22-28 D '63. (MIRA 17:1)

1. Moskovskiy tekstil'nyy institut (MTI).

ZOTIKOV, V.Ye.; FROLOVA, T.A.

Methodology of determining the radial unevenness of yarn. Izv.
vys. ucheb. zav.; tekhn. prom. no.6:39-45 '65.

(MIRA 19:1)

l. Moskovskiy tekstil'nyy institut. Submitted February 16, 1965.

FROLOVA, T. I.

FROLOVA, T. I. - "Petrotectonic Investigation of Rocks in the Region
of the Karabash Pyritic Deposits." Sub 28 Nov 52, Moscow Order of Lenin
State U imeni M. V. Lomonosov. (Dissertation for the Degree of
Candidate in Geological and Mineralogical Sciences).

SO: Vechernaya Moskva January-December 1952

FROLOVA, T. I.

Karabash Basin - Pyrites

Structural analysis of ore-bearing shale of Karabash pyrite deposits, Vest. Mosk., un.,
7, no. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, ^{October, 1952} ~~1953~~ Unclassified.

Frolova, T.

USSR/Geophysics - Geology of Urals

FD-1259

Card 1/1 : Pub. 129-21/25

Author : Frolova, T.

Title : Expedition of Geologists in the Urals

Periodical : Vest. Mosk. un., Ser. fizikomat. i yest nauk, 9, No 1, 145-147,
Feb 1954

Abstract : A Ural expedition, organized by the Chair of Petrography, Moscow
University, as usual has departed for the Central Urals with the
start of the field season, under the direction of Prof. Ye. A.
Kuznetsov, head of the Chair of Petrography. Cooperating are pros-
pecting parties of the Ural Geological Administration (Ural'skoye
Gelogicheskoye Upravleniye)

Institution : --

Submitted : --

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CIA-RDP86-00513R000513810017-5

~~TROLOVA, T. I.~~

New data on the stratigraphy and volcanism of the greenstone layer in
the southern part of the Central Urals. Sev. geol. no. 51:166-188 '56.
(Ural Mountains--Rocks, Igneous) (MIRA 10:4)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

BLOKHINA, L.I.; KOPTEV-DVORNIKOV, V.S.; LOMIZE, M.G.; PETROVA, M.A.;
TIKHOMIROVA, E.I.; EROLova, T.I.; YAKOVLEVA, Ye.B.

Classification and nomenclature of ancient volcanic clastic rocks.
Sov. geol. 2 no.5:73-80 My '59. (MIRA 12:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
(Volcanic ash, tuff, etc.--Classification)

FROLOVA, T.I.

Using the microstructural analysis for the interpretation of
the nature of the western contact zone of greenstones in the
Karabash region of the Central Urals. Sov. geol. 3 no. 9:88-
102 S '60.
(MIRA 13:11)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
(Karabash region (Ural Mountains)--Rocks, Igneous)

LOBANOVA, N.F.; FROLOVA, T.I.

Hydrogeological character of the area southwest of Miass. Izv.
vys.uchebzav.: geol.i razv. 4 no.4:107-110 Ap '61.

(MIRA 14:6)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
(Miass region—Water, Underground)

FROLOVA, T.I.; KURCHAVOV, A.M.

Subvolcanic bodies of basic composition among Paleozoic deposits
in the Magntogorsk synclinorium of the Southern Urals. Vest.Mosk.
un.Ser.4: Geol. 17 no.1:40-49 Ja-F '62. (MIRA 15:2)

1. Kafedra petrografii Moskovskogo universiteta.
(Ural Mountains--Rocks, Igneous)

L 06183-67 EWT(1) GW

ACC NR: AP6011683

SOURCE CODE: UR/0011/66/000/004/0148/0155

AUTHOR: Lebedev, A.P.; Udovkina, N. G.; Frolova, T. I.

28

26

B

ORG: none

TITLE: Questions of magmatism and tectonics at the Ural session of the Scientific Council on Complex Investigations of the Earth's Crust and Upper Mantle

SOURCE: AN SSSR. Izvestiya. Seriya geologicheskaya, no. 4, 1966, 148-155

TOPIC TAGS: magmatism, tectonics, earth crust, upper mantle, deep drilling, deep geologic structure

ABSTRACT: Brief resumes are given of the papers read at the scientific conference of the Scientific Council on Complex Investigations of the Earth's Crust and Upper Mantle of the Earth Sciences Division, Academy of Sciences, USSR, held in Sverdlovsk from 30 November through 3 December 1965. The conference papers, which dealt chiefly with geologic and geophysical investigations in the Ural region, were broken down into 3 groups: 1) general question (structure of the Earth's crust and upper mantle, physical properties of rocks, and investigation methods, 2) major features of the deep-seated structure of the Urals and adjacent

Card 1/2

UDC: 006.351.241+551.15:552.112+551.24(234.850)

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ACC NR: AP6011683

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regions on the basis of geologic and geophysical data, and 3) hydro-geochemical characteristics of deep waters in connection with the deep structure of the Urals. Individual papers discuss seismic wave propagation in various geologic formations, the tectonosphere, findings of the "Vityaz" expedition to the Indian Ocean, subcrustal faults, deep drilling, gravimetry studies, etc. Plans for the period 1966--1970 are outlined.

SUB CODE: 08/ SUBM DATE: 00/ ORIG REF: 000/ OTH REF: 000

Card 2/2 (b)

PHASE I BOOK EXPLOITATION

SOV/4086

Beda, L. M., L. N. Korolev, N. V. Sukhikh, and T. S. Frolova

Programma avtomaticheskogo differentsirovaniya dlya mashiny BESM (Automatic Differentiation Program for the BESM [High-Speed Electronic Computer])
Moscow, 1959. 19 p. (Series: Elektronnyye vychislitel'nyye mashiny)
500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut tochnoy mekhaniki i
vychislitel'noy tekhniki.

PURPOSE: This booklet is intended for programmers and engineers working
in the field of computer technology.

COVERAGE: The booklet contains a general description of a program and
method for the analytical differentiation of functions on the Soviet
high-speed digital computer BESM. The method and program were worked
out at the Institute of Precise Mechanics and Computer Technology,
Academy of Sciences USSR. At the end of the book are found block-
diagrams for BESM solution of the following mathematical problems: the
representation of a mathematical expression by a sequence of pairs; the
derivation of the derivatives of elementary pairs; and the synthesis of
Card 1/2

Automatic Differentiation Program (Cont.)

SOV/4086

a formula for a derivative. No personalities are mentioned. There
are no references.

TABLE OF CONTENTS: None given

AVAILABLE: Library of Congress (QA76.8.B4B4)

Card 2/2

VISHNEVSKAYA, A.; FROLOVA, V.; KURILOV, V.; CHUBCHENKO, F.; KHMELEVA, V.

When Ivan points at Foma. Okhr. truda i sots. strakh. 5 no.6:31-33 Je
'62. (MIRA 15:7)

1. Doverennyj vrach Orlowskogo oblastnogo soveta profsoyuzov (for Vishnevskaya). 2. Profsoyuznyj organizator grupp tsekha No.3 Kurskoy obuvnoy fabriki (for Frolova). 3. Korrespondent gazety "Kurskaya pravada" (for Chubchenko). 4. Spetsial'nyy korrespondent zhurnala "Okhrana truda i sotsial'noye strakhovaniye" (for Khmeleva).
(Kursk Province—Hospitals—Construction)

KOVALEVSKIY, I.I., kand. tekhn. nauk; YERMAKOV, Yu.M., ; MERINOV, N.A.;
FROLOVA, V.A.; CHIZHIKOVA, L.I.; NINEMYAGI, D.K., red. izd-va;
SHERSTNEVA, N.V., tekhn. red.

[Album of heating furnaces and stoves] Al'bom otopitel'nykh i bytovykh pechei. Moskva, Gosstroizdat. Pt.2, [Stoves for heating and cooking] Pechi otopitel'no-varochnye. 1962. 88 p.

(MIRA 16:1)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut po stroitel'stvu, Rostov-on-Don. 2. Rukovoditel' laboratorii otpeleniya i ventilyatsii Nauchno-issledovatel'skogo instituta po stroitel'stvu, Rostov-on-Don (for Kovalevskiy). 3. Nauchno-issledovatel'skiy institut sanitarnoy tekhniki Akademii stroitel'stva i arkhitektury SSSR (for Yermakov, Merinov, Frolova, Chizhikova).

(Stoves) (Furnaces, Heating)

FROLOVA, V.A.

Some observations of patients with Stensen's duct transplanted to
the conjunctival sac in parenchymatous xerosis induced by cicatricial
trachoma. Oft.zhur. 13 no.3:178-179 '58 (MIRA 11:6)

1. Iz Chitinskoy oblastnoy bol'nitsy imeni V.I. Lenina.
(SALIVARY GLANDS--TRANSPLANTATION)
(CONJUNCTIVA--DISEASES)

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CIA-RDP86-00513R000513810017-5

~~PROLOVA, V.F., inzhener.~~

Mechanizing the cleaning of subway cars. Gor.khoz.Mosk.31 no.1:34
Ja '57. (MIRA 10:3)
(Streetcars) (Vacuum cleaning)

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CIA-RDP86-00513R000513810017-5"

FROLOVA, V.G., KRAVCHUK, V.F., DOBRYNINA, I.L.

Material on the epidemiology of ascariasis in Stalinsk. Med.
paraz. i paraz. bol. 27 no.2:215 Mr-Ap '58 (MIRA 11:5)

1. Iz Stalinskogog instituta usovershenstvovaniya vrachey i
Stalinskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.
(ASCARIASIS, epidemiology
in Stalinsk, Russia (Rus))

USSR/Human and Animal Physiology - Digestion.

T-7

Abs Jour : Ref Zhur - Biol., No 7, 1958, 31798

Author : Frolova, V.I.

Inst :
Title : Impairment of the Activity of Saliva and Gastric Glands
After a Conflict of Alimentary and Defensive Reflexes and
the Course of Restoration During Different Food Regimes.

Orig Pub : Tr. Vologodsk. molochn. in-ta, 1956, vyp. 14, 121-130.

Abstract : A change in the secretion of saliva glands caused by sub-cutaneous injection of pilocarpine and a change in the secretion of the stomach caused by simulated feeding, after the double "mistake" of the alimentary and defensive reflexes in dogs existing on a carbohydrate regime, was persistent and bore a hypersecretory character. With a protein ration, the change is less sharply expressed and less continuous.

Card 1/1

FROLOVA, V.I.

FROLOVA, V.I.; BAN'KOVSKIY, A.I.; ZHELMZNOVA, Ye.S.

Chemical analysis of alkaloids of the small globethistle (*Echinops ritro* L.). Med.prom. ll no.11:20-24 N '57. (MIRA 11:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institute lekarstvennykh i aromaticheskikh rasteniy
(GLOBETHISTLE) (QUINOLINE)

100-100000
BAN'KOVSKIY, A.I.; PROLOVA, V.I.; ZHELEZNOVA, Ye.S.

Chemical analysis of alkaloids from Genista setnensis DC. Med.prom.
11 no.12:23-27 D '57. (MIhA 11:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh
i aromaticeskikh rasteniy.
(ALKALOIDS) (WOADWAXEN)

FROLOVA, V. I., BAN'KOVSKIY, A. I., VOLYNSKAYA, M. V.

Chemical study of alkaloids of Phellodendron lavallei Dode.
Med.prom. 12 no.6:16-18 Je '58
(MIRA 11:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvenykh
i aromaticheskikh rasteniy.
(PHELLODENDRON)
(ALKALOIDS)

FROLOVA, V.I., BAN'KOVSKIY, A.I., VOLYNSKAYA, M.B.

Chemical study of alkaloids from Choisya ternata H.B. et K.
Med.prom. 12 no.7:35-40 J1 '58 (MIRA 11:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh i
aromaticeskikh rasteniy.
(ALKALOIDS)
(MEXICAN ORANGE)

FROLOVA, V. I. Cand Med Sci -- (diss) "Nature
vegetative disorders in experimental neurosis in relation to food rations."

Ivanovo, 1959. 18 pp (Ivanovo State Med Inst), 200 copies (KL, 46-59, 141)

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-76-

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CIA-RDP86-00513R000513810017-5

FROLOVA, V.I.; BAN'KOVSKIY, A.I.; VOLYNSKAYA, M.B.

Chemical study of the alkaloids of Choisya ternata. Trudy, VILAR
no. 11:5-15 '59. (MIRA 14:2)
(RUE) (ALKALOIDS)

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CIA-RDP86-00513R000513810017-5

FROLOVA, V.I.; BAN'KOVSKIY, A.I.; ZHELEZNOVA, Ye.S.

Chemical study of the alkaloids of Echinops rito L. Trudy VILAR
no. 11:92-98 '59. (MIRA 14:2)
(COMPOSITAE) (ALKALOIDS)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

BAN'KOVSKIY, A.I.; FROLOVA, V.I.; ZHELEZNOVA, Ye.S.

Chemical study of the alkaloids of *Genista aetnensis* DC. Trudy
VILAR no. 11:99-105 '59.
(LEGUMINOSAE) (ALKALOIDS) (MIRA 14:2)

FROLOVA, V.I. (Kazan')

Use of paravertebral diathermy in the treatment of eczema. Kaz.
med. zhur. no. 2:111-112 Mr-Ap '61
(ECZEMA) (DIATHERMY) (MIRA 14:4)

FROLOVA, V.I., kand.med.nauk (Barnaul)

Nervous system disorders in various forms of hemophilia. Klin.
med. no.9:112-114 '62. (MIRA 15:12)

1. Iz kafedry propedevtiki vnutrennykh bolezney (zav. - dotsent
Z.S. Barkagan) i kafedry normal'noy fiziologii (zav. - dotsent
Z.V. Urazayeva) Altayskogo meditsinskogo instituta.
(HEMOPHILIA) (NERVOUS SYSTEM--DISEASES)

FROLOVA, V. I.; KUZOVKOV, A. D.

Alkaloids from *Cheisya ternata* H. B. and K. Structure of
"choisyine". Zhur. ob. khim. 33 no.1:121-125 '63.
(MIRA 16:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy inatitut lekarstvennykh
i aromaticheskikh rasteniy.

(Alkaloids)

FROLLOVA, V.I.; KUZOVKOV, A.D.; KIBAL'CHICH, P.N.

Alkaloids from Ptelea trifoliata L. Structure of ptelein. Zhur.
ob. khim. 34 no.10:3499-3505 O '64.

(MIRA 17:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh
i aromaticheskikh rasteniy.

ROYTER, I.M.; KOVALENKO, A.Ya.; LYASKOVSKIY, K.V.; EPSHTEYN, M.M.;
FROLOVA, V.K.

Results of the introduction of a new technological flow
sheet for the making of Kaunas bread with liquid intermediate
products. Trudy KTIPP no.27:3-12 '63. (MIRA 17:5)

1. Sotrudniki Vil'nyusskogo khlebo-makaronnogo kombinata
(for Lyaskovskiy, Epshteyn, Frolova).

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CIA-RDP86-00513R000513810017-5

Frolova; V.K.

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/Semi-automatic determination of the cloud
fuels. V. K. Frolova and A. G. Ershov
K-622. Moscow, 1970. (USSR) (U.S.S.R.)
by a photodiode and the corresponding
thermocouple.

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CIA-RDP86-00513R000513810017-5"

BELYANIN, Boris Vladimirovich; ERIKH, Vladimir Nikolayevich;
DOBRYANSKIY, A.F., prof., retsentent; VENEDIKTOVA, Ye.K.,
prepodavatel', retsentent; FROLOVA, V.K., retsentent;
BRUSKIN, D.M., ved. red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Industrial analysis of petroleum products and gas]Tekhnicheskii
analiz nefteproduktov i gaza. Leningrad, Gostoptekhizdat, 1962.
367 p.

(MIRA 16:3)

1. Leningradskiy universitet (for Dobryanskiy). 2. Groznenskiy
neftyanoy tekhnikum (for Venediktova). 3. Zaveduyushchiy labo-
ratoriyesy Moskovskogo neftepererabatyvayushchego zavoda (for
Frolova).

(Petroleum products--Analysis)
(Gas, Natural--Analysis)

FROLOVÁ V. M.
VAYSBERG, A.D.; FROLOVÁ, V.M.

Clinical x-ray diagnosis of broncho-glandular fistulas in
children [with summary in English]. Vest.rent. i rad. 32 no.
6:26-31 N-D '57. (MIRA 11:3)

1. Iz kafedry rentgenologii i kliniki detskogo tuberkuleza
Leningradskogo pediatricheskogo meditsinskogo instituta.
(TUBERCULOSIS, PULMONARY, in inf. & child
with broncho-lymphatic fistula, diag. (Rus)

FROLOVA, V.M.

A case of congenital tuberculosis with favorable outcome [with summary in French]. Probl.tub. 36 no.6:101-103 '58 (MIRA 11:10)

1. Iz kliniki detskogo tuberkuleza Leningradskogo pediatriceskogo meditsinskogo instituta (dir. - prof. N.T. Shutova).
(TUBERCULOSIS, case reports
congen. (Rus))

FROLOVA, V.M.

Results of using metazide in the clinical treatment of tuberculosis
in children. Khim. i med. no.14:88-92 '60. (MIRA 14:12)

1. Klinika detskogo tuberkuleza Leningradskogo pediatriceskogo
meditsinskogo instituta (dir. - prof. N.T. Shutova).
(TUBERCULOSIS) (METAZIDE)

IVANOVA, T.A.; FROLOVA, V.M.

Tuberculosis of the mesenteric nodes in children. Probl. tub.
no.4:27-30 '61. (MIRA 14:12)

1. Iz kliniki tuberkuleza detskogo vozrasta Pediatriceskogo
meditsinskogo instituta Leningrada (dir. Ye.P. Semenova).
(LYMPHATICS---TUBERCULOSIS) (MESENTERY)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5

FROLOVA, V. N. Cand. Tech. Sci.

Dissertation: "Instruments for Mechanical Integration of Graphically Represented Functions." Moscow Order of the Labor Red Banner Higher Technical School imeni N. E. Bauman, 20 Oct 54.

SO: Vechernaya Moskva, Oct, 1954 (Project #17836)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

Frolova, V.S.

PHASE I BOOK EXPLOITATION Sov/2325
11 (4) Additional Sponsoring Agency: Amerbaydzhan. Ministerstvo neftyanoy Promyshlennosti.
Ed. of Publishing House: T.B. Al'yan; Editorial Board: V.S. Aliyev,
Ed. of Chemical Sciences, V.S. Olyra, Doctor of Chemical Sciences, M.M. Inokutsev,
Sciences, A.M. Kislav, Doctor of Chemical Sciences, N.M. Inokutsev,
Candidate of Technical Sciences, V.Ya. Manzaryan, Candidate of
Chemical Sciences, F.D. Svetozarova, Candidate of Technical Sciences, N.B. Al'
Chemical Sciences, A.M. Levshin, Candidate of Chemical Sciences, I.M. Ordacheva, Candidate
of Technical Sciences, M.M. Melik-Zade, Candidate of Chemical
Sciences.

PURPOSE: This collection of articles is intended for chemical engineers, technicians, and refiners concerned with advanced methods of petroleum conversion.

COVERAGE: The collection presents an analysis of different types of crudes extracted in Azerbaijan and of the products recovered from these crudes through petroleum conversion processes. The determining deasphalting and demulsifying of crudes is described and the durability of these crudes for the recovery of diesel fuels is discussed. Results of catalytic cracking performed over a fluidized bed synthetic catalyst produced by two- and three-stage cracking are analyzed. Attrition and deactivation of catalysts during the catalytic circulation in a hyperflow system are reported. Various lube oil additives and the production of different types of oils and of carbon black are outlined. Reference accompany individual articles.

Nal'iova, A.B., V.S. Quliyeva, and D.I. Zulic-Sabzali. Chemical Composition of Gudilin Pressured by Two-Stage Catalytic Cracking. 70
Aliyev, V.S., B.H. Al'yan, and N.P. Kislava. Role of Heat Transfer in Thermal Contact Decomposition of Heavy Petroleum Residues. 77
Terminova, S.A., E.I. Pol'ternova, A.A. Musatova, V.S. Frolova, and T.B. Al'yan. Study of the Deactivation of a Sulfur-Containing Catalyst During the Cracking of Distillates From Non-sulfurous Crude Oil. 86
Frolova, V.S., B.H. Al'yan, V.S. Stepanyan, and V.N. Klimushina. Study of Petroleum From the Upper Kalmiuskaya Area Carried Out With a View to Producing Aviation Lube Oil. 99
Quliyev, A.M., R.Sh. Mulyayev, M.M. Dryzina, K.L. Jusupova, Ye.N. Kirgumtash, N.I. Chikayev, and M.I. Krizhev. Study of Petroleum From the "Nefteyazy" Komsomolsk Deposits Made With a View to Producing Aviation Lube Oil Distillates. 106

Card 1A

ACCESSION NR: AP4010061

S/0021/64/000/001/0082/0084

AUTHOR: Gutrya, V. S. (Academician); Kachan, O. O.; Kolbanov's'ky'y, Yu. A.;
Polak, L. S.; Nizol's'ky'y, Yu. M.; Frolova, V. S.

TITLE: Radiolysis of cyclohexane adsorbed by synthetic zeolites

SOURCE: AN UkrRSR. Dopovid, no. 1, 1964, 82-84

TOPIC TAGS: radiation chemistry, radiolysis cation-exchanger, molecular sieve,
zeolite, synthetic zeolite, type X molecular sieve

ABSTRACT: The present work was done to determine the influence of the chemical composition of the adsorbents on the composition of the radiolytic products of cyclohexane. Synthetic zeolites (commercial CoX, NaY, NaCaX and NaNiX) were used to adsorb cyclohexane, which was irradiated with Co^{60} gamma-radiation. The radiolytic products were analyzed by gas chromatography. The results indicate that the presence of two cations in the zeolite, one of them of variable valence, is important for the formation of an adsorbent actively affecting radiolysis. Orig. art. has 2 figures and 1 table.

Card 1/2

ACCESSION NR: AP4010061

ASSOCIATION: Insty*tut khimiyyi polimeriv i monomeriv AN UkrRSR (Institute of the Chemistry of Polymers and Monomers, AN UkrRSR); Insty*tut naftokhimichnogo sy*ntezu AN SRSR (Institute of Petrochemical Synthesis, AN SRSR /Ukrainian equivalent of SSSR/)

SUBMITTED: 20Jun63

DATE ACQ: 10Feb64

ENCL: 00

SUB CODE: CH, NS

NO REF SOV: 001

OTHER: 003

Card 2/2

YEFIMOVA, S.A.; POLYANOVA, Z.I.; MAMEDOVA, A.A.; FROLOVA, V.S.;
MEKHRALIYEV, A.B.

Investigating the deactivation of a powdered aluminum silicate
catalyst in the cracking of nonsulfurous crude oil distillate.
Sbor. trud. AgNII NP no. 2:86-98 Ag '58. (MIRA 12:6)
(Cracking process) (Aluminum silicate)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5

SKARICHENKO, V.K.; GALICH, P.N.; GOLUBCHENKO, I.T.; FROLOVA, V.S.;
MUSIYENKO, V.P.

Chromium-iron-aluminum oxides as catalysts for n-hexane dehydrogenation. Kin. i kat. 5 no.3:548-549 My-Je '64.

(MIRA 17:11)

1. Institut khimii polimerov i monomerov AN UkrSSR.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5

MUSIYENKO, V.P.; POLATAYKO, R.I.; SKARCHENKO, V.K.; EKOLIOVA, V.S.;
GALICH, P.N.; Prinimali uchastiye: Legeza, L.F.; Kubyshkina, G.A.

Conversion of n-hexane on chromium-magnesium oxide catalysts.
Ukr. khim. zhur. 30 no.9:915-918 '64.

(MIRA 17:10)

1. Institut vysokomolekularnykh soyedineniy AN UkrSSR.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5

POLATAYKO, R.I.; KRUGLIKOV, N.S.; FROLOVA, V.S.; GALICH, P.N.; SKARCHENKO, V.K.

Dehydrogenation of n-hexane on molybdenum-sulfide catalysts.
Neft. i gaz. prom. no.2:53-54 Ap-Je '65.

(MIRA 18:6)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5

FROLOVA, V.S.; POLATAYKO, R.I.; SKARICHENKO, V.K.; MUSIYENKO, V.P.;
GALICH, P.N.

Dehydrogenation of n-hexane on chrome-zinc oxide catalysts.

Neft. i gaz. prom. no.3:54-55 J1-S '64.

(MIRA 17:12)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5

SKARICHENKO, V.K.; PROLOVA, V.S.; GOLUBCHENKO, I.T.; MUSIYENKO, V.P.;
GALICH, P.N.

Iron-aluminum oxides as catalysts for dehydrogenation of n-alkanes.
Kin. i kat. 5 no.5:932-935 S-0 '64. (MIRA 17:12)

1. Institut khimii vysokomolekulyarnykh soyedineniy AN UkrSSR.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

I. 7027-66 EFT(1)/T/EED(h)-3 LIP(c)
ACC NR: AP5026831

SOURCE CODE: UR/0286/65/000/017/0117/0117

AUTHOR: Frolova, V. S.; Yurovskiy, Kh. G.; Belonogov, B. I.; Fedichkina, A. A.; Dymov, A. F.

ORG: none

TITLE: A copying device for transferring a graphic image by photographic contact printing. Class 57, No. 174522 [announced by Organization of the Ministry of the Aviation Industry SSSR (Organizatsiya ministerstva aviationskoy promyshlennosti SSSR)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 117

TOPIC TAGS: photographic printing, printing machinery

ABSTRACT: This Author's Certificate introduces a copying device for transferring a graphic image by photographic contact printing. The installation contains an illuminator, a rotating table, and a clamping mechanism with vacuum contact between the original and the light-sensitive material. For airtight sealing during printing on large metal plates, the clamping mechanism is equipped with a cover made of an elastic film, e. g. polyethylene. This film covers the surface of the rotating table and is clamped around the edge of the table by an air-filled hose. This cover is wound on drums at the edge of the table.

UDC: 771.318.1

Card 1/2

L 7027-66

ACC NR: AP5026831

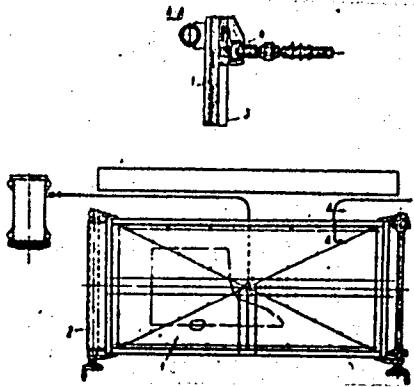


Fig. 1. 1--rotating table; 2--drums;
3--cover; 4--hose

SUB CODE: IE/ SUBM DATE: 23Mar64/ ORIG REF: 000/ OTH REF: 000

BC
Card 2/2

PIATONOV, N.V.; FROLOVA, V.T.; SURGUTANOVA, K.P.

Epidemiology of diphyllobothriasis in Novosibirsk Province and measures for its control. Med.paraz.i paraz.bol. no.5:436-440 S-0 '53. (MLRA 6:12)

1. Iz Novosibirsckoy oblastnoy protivomalyariynoy stantsii (glavnnyy vrach N.M.Yerokhin) i Stalinskogo instituta usovershenstvovaniya vrachey (direktor - dotsent G.T.Shikov).

(Novosibirsk Province--Tapeworms) (Tapeworms--Novosibirsk Province)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5

PIATONOV, N.V.; FROLOVA, V.T.; YELIZAROVA, N.S.; MASLOVA, Ye.K.

Relapses in tertian malaria with a short and long incubation period
and the reasons for its occurrence. Med.paraz. i paraz.bol. 25 no.3:
272 Jl-S '56.
(MALARIA)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

BROVKOV, G.N.; FROLOVA, V.T.

Modified bentonite rocks in the Devonian of the Tuva and Minusinsk
Depressions. Dokl. AN SSSR 143 no.4:943-946 Ap '62.
(MIRA 15:3)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR.
Predstavлено академиком N.M.Strakhovym.
(Tuva A.S.S.R.--Bentonite) (Minusinsk region--Bentonite)

SAFRONOVA, O.N.; YUZEOFICH, Ye.K.; FROLOVA, V.V.

Some biochemical studies of the urine in bronchial asthma in children.
Vop. okh. mat. i det. 6 no.7:33-37 Jl '61. (MIRA 14:8)

1. Iz kafedry detskikh bolezney (zav. - doktor meditsinskikh nauk
V.P.Chernyuk) lechebnogo fakul'teta Odesskogo meditsinskogo instituta
imeni N.I.Pirogova (dir. - zasluzhennyy deyatel' nauki prof. I.Ya.
Deyneka).

(ASTHMA) (URINE—ANALYSIS AND PATHOLOGY)

FROLOVA, V.V.

Content of bisulfite-binding substances in the urine during
bronchial asthma in children. Pediat. akush. ginek. no.3:
18-19 '63 (MIRA 17:1)

1. Kafedra detskikh bolezney (zav. - prof. V.P. Chernykh)
vrachebnogo fakul'teta Odesskogo meditsinskogo instituta
(rektor - prof. I.Ya. Deyneka [Deineka, I.Ia]).

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5

SOFIYEV, M.S.; SHTYREVA, L.V.; SHCHEULOV, A.P.; FROLOVA, V.Ye.

Materials from a study of toxoplasmosis. Izv.AN Uz.SSR.
Ser.med. no.5:58-62 '59. (MIRA 13:3)

1. Tashkentskiy gosudarstvennyy meditsinskiy institut.
(TOXOPLASMOSIS)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

FROLOVA, Ye.A.

Application of prostheses in dental fractures in children.
Stomatologija, no.3:55-57 My-Je '54. (MLRA 7:6)

1. Iz detskoy stomatologicheskoy polikliniki No.6 (glavnnyy vrach K.S.Nikulina) Upravleniya khosraschetnykh lechebnykh uchreshdenii Mosgorzdravotdela (nachal'nik G.M.Volchenkov, konsul'tant dotsent L.V.Il'ina-Markosian)

(TEETH, fractures,

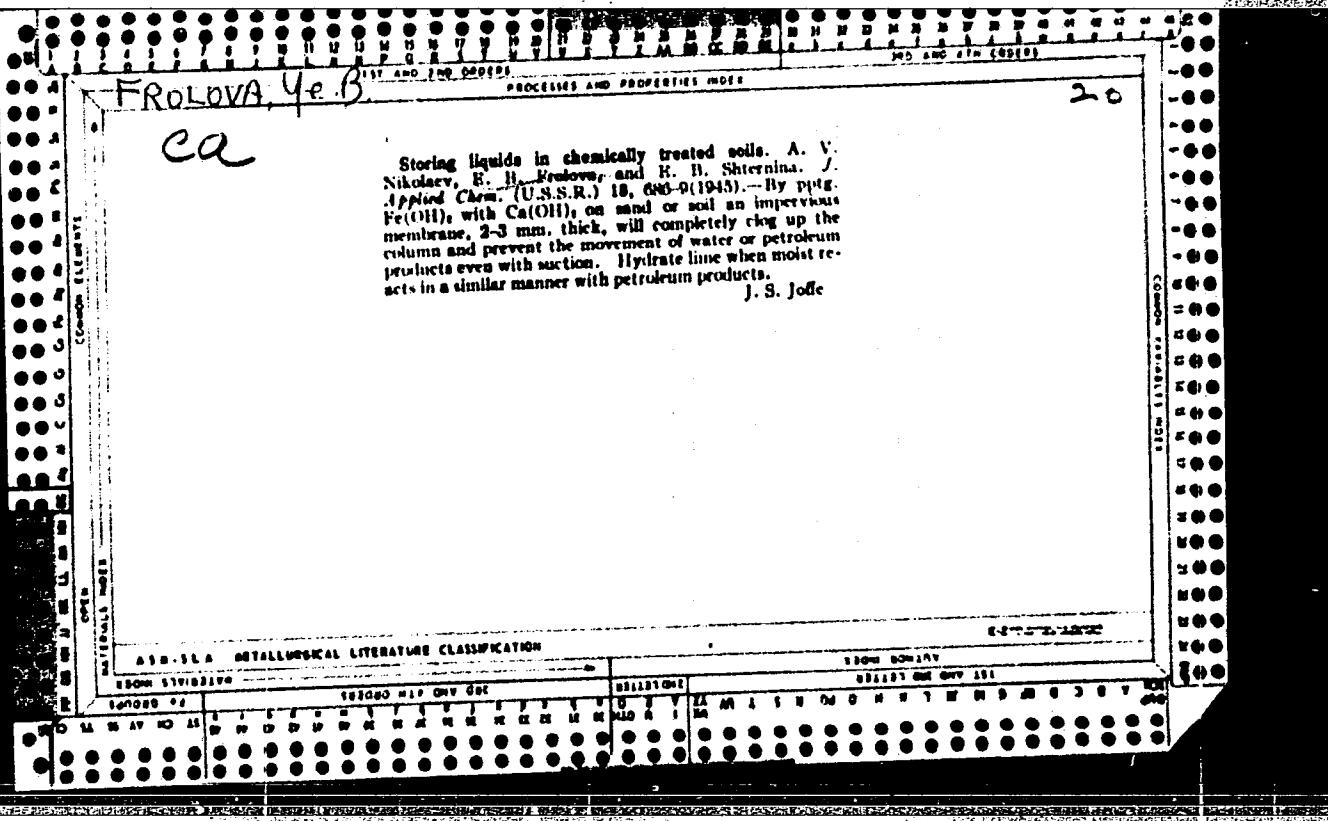
*ther., prosthesis, in child.)

(FRACTURES,

*teeth, ther., prosthesis, in child.)

(DENTAL PROSTHESIS,

*dent. fract. in child.)



"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5

AKHIEZER, M. P., GOLOVINSKII, S. I., AND T. V. VASIL'YEVA, L. I.

"Problems of labor hygiene in the cotton processing and cotton oil industry."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

S/181/63/005/004/001/047
B102/B186

AUTHORS: Gorban', I. S., Timofeyev, V. B., and Frolova, Ye. P.
TITLE: Spectroscopic observation of exciton scattering in a crystal
PERIODICAL: Fizika tverdogo tela, v. 5, no. 4, 1963, 977 - 981

TEXT: The authors investigated the relaxation effects of exciton states in Cu₂O crystals wherein exciton-phonon absorption spectra may be observed (FTT, 3, 12, 1961). These spectra have a steplike structure, caused by the excitation of the n=1 exciton state of the yellow series with optical phonon (105 cm⁻¹) absorption or emission. The exciton-phonon step broadens in consequence of relaxation processes occurring on the establishment of the thermodynamic equilibrium in the exciton band. The broadening is characterized by the deviation ($\Delta\nu$) of the frequency dependence of the absorption coefficient near the step edges from the regular form (Phys. Rev. 108, 1384, 1957), which arises at sufficiently high temperatures. The blurring of the edges, $\Delta\nu \sim 1/\tau$, (τ is the relaxation time) was plotted as a function of temperature between 100 and 400°K; $\Delta\nu$ proved to be almost independent of temperature up to ~280°K, after which it rose rapidly. From Card 1/2

Spectroscopic observation of...

S/181/63/005/004/001/047
B102/B186

this behavior it was concluded that the excitons - as also the carriers - are mainly scattered from lattice vibrations. The exciton diffusion parameters are estimated, whence a close relation was found to exist, between the properties of the exciton-phonon spectrum and the kinetics of the photoluminescence of impurity centers in Cu₂O. The exciton diffusion coefficient is D = 0.7 cm²/sec (T = 293°K) and the hole diffusion coefficient is 0.25 cm²/sec for μ = 100 cm²/v·sec. There are 2 figures.

ASSOCIATION: Kiyevskiy gosudarstvennyy universitet im. T. G. Shevchenko
(Kiyev State University imeni T. G. Shevchenko)

SUBMITTED: September 21, 1962

Card 2/2

Frolova, Ye. G.

✓ Carbon-14 in the study of the rate of metabolism of substances in yeast and acidophilous bacteria. I. Ya. Veselov, MD
V. M. Levacheva, and E. G. Frolova. Sessiya Akad.
Nauk S.S.R. po Mirnomerisam i Atomnoy Energii
1953, Zasedaniya Otdel. Biol. Nauk, 270-87 (English summary, 287-8).—Incorporation of C¹⁴ from labeled glucose, AcH, and AcOH into yeasts was studied. C¹⁴ enters firmly into the compn. of yeast; during main fermentation when intense fermentation of glucose occurs, no loss of the label to the medium takes place. The loss begins at the period of retardation of the rate of fermentation. Fermentations with *Lactobacillus delbrueckii* in labeled glucose results in incorporation of C¹⁴ into carbohydrates, from which nitrogenous labeled compds. arise; for such fermentation in unlabeled glucose in the presence of C¹⁴-labeled nitrogenous compds. (amino acids formed from tracer expts. with yeasts), the relative activity of the N compds. is lower than their activity in the medium. Thus the intermediate carbohydrate metabolites participate in conversion of N compds. of the medium to those within the organism of *L. delbrueckii*.
G. M. Kosolapoff

(2)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5

FROLOVA, Ye. G.

Dissertation: "Investigation of the Solidification of Molten Glass Mass in the Process of Vertical Drawing." Cand Tech Sci, ALL-Union Sci Res Inst of Glass, Moscow, 1953.
(Referativnyy Zhurnal--Khimiya, Moscow, No 4, Feb 54)

SO: SIM 243, 19 Oct 54

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5

GASTEV, Yu.A.; PROLOVA, Ye.G.

Motion of glass masses in molds during pressing. Stek. i ker. 10 no.6:
8-11 Je '53.
(MLRA 6:5)
(Glass manufacture)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

*Frolova, Ye.G.*USSR/Chemical Technology - Chemical Products and Their
Application. Ceramics. Glass. Binders. Concrete.

H-7

Abs Jour : Referat Zhur - Khimiya, No 1, 1958, 2044
Author : Frolova Ye.G., Pototskaya G.V., Shapiro I.Ye., Afanas'yev
A.N.
Inst : -
Title : Welding of Glass Pipes and Shaped Pipe Fittings.
Orig Pub : Steklo i keramika, 1957, No 5, 24-27

Abstract : For the welding of glass pipe fittings use was made at
first of the horizontal-welding machine of A320-Al type,
which is used at plants of the radio industry for wel-
ding of glass apparatus. The machine can be used to
weld glass pipe of up to 80 mm outside diameter and of
any length, and pipe of larger diameter in lengths up
to 1000 mm. At the experimental glass plant a disk-ma-
chine was designed which makes it possible to weld pipe
of any diameter in lengths up to 4-5 m, and to weld

Card 1/2

- USSR/Chemical Technology - Chemical Products and Their
Application. Ceramics. Glass. Binders. Concrete.

H-7

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2044

adapters to them. A description is given of the process of making T-joints. Welding experiments were carried out with borosilicate and low-alkali glass. Knowhow has been acquired in welding of pipe of low-alkali glass of up to 122 mm outside diameter and welding of T-joints of up to 68 mm outside diameter. In addition to pipe, the welding procedure can be used to produce various complex chemical equipment, hydrocyclones and other articles. On the basis of the completed work the authors propose to plan and build special welding shops, for which all-purpose welding machines and auxiliary equipment must be designed and produced. It is appropriate to conduct tests on glass welding by means of high frequency current.

Card 2/2

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5

EYGENSON, L.S., doktor tekhn. nauk, prof.: FROLOVA, Ye.G., kand. tekhn. nauk.

Using the similitude method to study the forming of glass cylinders.
Trudy VNIISTekla no.37:102-110 '57. (MIRA 11:1)
(Glass manufacture) (Dimensional analysis)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810017-5"

Установка, № 3.

EIGENSON, Lev Solomonovich, prof. [deceased]; BELOBORODOVA, Tat'yana Ivanovna; BORISOV, Boris Ivanovich; FROLOVA, Yelena Gavrilovna; SOKOLOV, I.S., red.izd-va; GILENSON, P.G., tekhn.red.

[Thermal principles of glass manufacture] Termicheskie osnovy formovaniia stekla. Pod red. L.S.Eigensona. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materiamam, 1959. 267 p.
(Glass furnaces)

(MIRA 13:2)

SHAPIRO, I.Ye.; FROLOVA, Ye.G.; SOLINOV, F.G., nauchnyy red.; STAROSVETOVA, V.G., red.Izd-va; RUDAKOVA, N.I., tekhn.red.

[Glass pipes; production and use] Stekliannye truby; proizvodstvo i primenenie. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materiam, 1960. 158 p. (MIRA 13:4)
(Pipe, Glass)

SHAPIRO, I.Ye.; FROLOVA, Ye.G.

Use of glass pipes in the chemical industry. Khim. prom.
no. 7:602-603 O-N '60. (MIRA 13:12)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut stekla.
(Pipe, Glass) (Chemical apparatus)

15.2120

2109, 1409, 1428 only

84913

S/068/000/011/001/001
E071/E435

AUTHORS:

Shapiro, I.Ye., Candidate of Technical Sciences and
Frolova, Ye.G., Candidate of Technical Sciences
Experience in the Application of Glass Pipes in the
Coking Industry

TITLE:

PERIODICAL: Koks i khimiya, 1960, No.11, pp.57-60

TEXT: The importance of glass pipes for the national economy of using more extensively glass pipes for carrying corrosive products is stressed. At present, over 600000 m of glass pipelines of a diameter varying from 38 to 100 mm is used in 850 enterprises of the USSR. The composition of glass used for the production of pipes is as follows: SiO₂ 63.5%, Al₂O₃ 15.5%, CaO 13%, MgO 4%, Na₂O 2%, F 2%. Characteristic properties of tubes: coefficient of linear expansion 50×10^{-7} ; softening temperature 725°C; heat conductivity coefficient (at 25 to 560°C) 0.172 to 0.208 k cal/m.°C.hr; heat capacity (at 25 to 560°C) 70 to 350°C) 0.77 k cal/m.°C.hr; resistance to thermal shock (from a hot medium into a cold one at a wall thickness of 4.5 to 5 mm) 90°C; internal hydraulic pressure (for tubes 50 mm in diameter, operating pressure 7 atm; elasticity modulus in tension 60 atm; Card 1/3

84913

S/068/60/000/011/001/001
E071/E435

Experience in the Application of Glass Pipes in the Coking Industry
7500 kg/mm²; bending strength 600 to 1000 kg/cm², crushing
strength 300 to 400 kg/cm², tensile strength 200 to 250 kg/cm².
Tubes from 40 to 100 mm in diameter are produced by the Gomel'
Glass Works of the White Russian Sovnarkhoz and tubes from 12 to
40 mm in diameter by the Buchansk Glass Works of the Kiyev
Sovnarkhoz. In addition to straight glass pipes, curved pipes
and fittings are produced. The design and erection of glass
pipelines is carried out by the Moscow Special Administration of the
Ministry of Building of the RSFSR. Various methods of joining
glass pipes are shown in Figs. 2 to 5. The use of glass pipes in
the coking industry started in 1958. Some examples of a successful
application are quoted: 1) Makeyevska Coking Works for
transportation of acid solution (not specified) at 75 to 78°C and
1.5 atm, stainless tubes (service life of which did not exceed 1 to
1.5 years) were replaced by glass pipes. 2) In the same works in
the dephenolizing plant glass pipes are operating at 55°C and 3 atm.
3) Rutchenkovo Works - for ammonia solution. It is pointed out
that in addition to their corrosion resistance, glass pipes are

Card 2/3

84913
S/068/60/000/011/001/001
E071/E435

Experience in the Application of Glass Pipes in the Coking Industry
cheaper than metal ones (a comparison of prices is given in the
text). There are 5 figures. ✓

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy institut
stekla (State Scientific Research Institute of Glass)

Card 3/3

S/081/62/000/023/070/120
B144/B186

AUTHORS: Frolova, Ye. G., Shapiro, I. Ye., Kulyamina, L. L.

TITLE: Glass coatings on steel tubes

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1962, 499 - 500,
abstract 25K478 (Steklo. Byul. Gos. n.-i. in-ta stekla,
no. 3(112), 1961, 36 - 44)

TEXT: A method has been developed by the laboratoriya proiz-va steklyannykh trub In-ta stekla (Laboratory for Glass Tube Production of the Glass Institute) together with the Ukrainskiy nauchno-issledovatel'skiy trubnyy in-t (Ukrainian Scientific Research Institute for Tubes) for preparing the surfaces of steel tubes for the application of glass coatings. A procedure has been elaborated for coating the inner surface of small-bore steel tubes (up to 50 mm diameter) with glass. For industrial production of glass-lined steel tubes by the "balloon" method, glass compositions are recommended, the best of which is glass no. 1, consisting of (in %): SiO₂ 69, Al₂O₃ 1.4, B₂O₃ 1, PbO 2, CaO 6.5, MgO 1.3, BaO 1.3, Na₂O 15, K₂O 2.5. This glass contains the scarce and expensive PbO, and CaFd 1/2 ✓ .

Glass coatings on...

S/081/62/000/023/070/120
B144/B186

can be replaced by glasses no. 13 (SiO_2 68.3, ZrO_2 2, R_2O_3 :3.3, CaO 7.3, MgO 2.3, Na_2O 11.8, K_2O 5) and no. 16 (SiO_2 69.1, B_2O_3 2, CaO 5.5, MgO 3.5, BaO 2, Na_2O 11, K_2O 6.5). [Abstracter's note: Complete translation.]

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